

L Number	Hits	Search Text	DB	Time stamp
1	1317654	p res thr ughh l s through-hol s through l s hol s gaps	USPAT; US-P PUB; EPO; JPO; DERWENT	2003/09/10 14:45
2	221563	429/\$.ccls. h01m\$.ipc.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/09/10 14:46
3	176429	(429/\$.ccls. h01m\$.ipc.) not (li lithium)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/09/10 14:46
4	45134	(429/\$.ccls. h01m\$.ipc.) not ((429/\$.ccls. h01m\$.ipc.) not (li lithium))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/09/10 14:46
5	3223	((429/\$.ccls. h01m\$.ipc.) not ((429/\$.ccls. h01m\$.ipc.) not (li lithium))) and (pores throughholes through-holes throughholes holes gaps)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/09/10 14:46
6	39	((429/\$.ccls. h01m\$.ipc.) not ((429/\$.ccls. h01m\$.ipc.) not (li lithium))) and (pores throughholes through-holes throughholes holes gaps)) and ((pores throughholes through-holes throughholes holes gaps) near4 (straight veritcal\$2 horizontal\$2 flat planar))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/09/10 15:05
7	1	1990-143166.NRAN.	DERWENT	2003/09/10 14:47
8	2	4994335.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/09/10 14:48
9	2	4994335.pn. and ((straight veritcal\$2 horizontal\$2 flat planar))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/09/10 15:10
10	16	4994335.URPN.	USPAT	2003/09/10 14:50
11	4	("2995614" "3563805" "3770504" "3988168").PN.	USPAT	2003/09/10 14:57
12	12	4070528.URPN.	USPAT	2003/09/10 14:57
13	3	4070528.URPN. and (separator with (pores throughholes through-holes throughholes holes gaps))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/09/10 14:59
14	16	4994335.URPN.	USPAT	2003/09/10 14:58
15	2	4994335.URPN. and (separat r with (p r s throughh l s thr ugh-h les thr ughol s holes gaps))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/09/10 15:04

16	6431	429/129 429/13? 429/14? 429/24? 429/25?	USPAT; US-P PUB; EPO; JPO; DERWENT	2003/09/10 15:05
17	60	(429/129 429/13? 429/14? 429/24? 429/25?) and ((pores throughh les thr ough-holes throughholes holes gaps) near6 (straight veritcal\$2 horizontal\$2 flat planar linear))	USPAT; US-P PUB; EPO; JPO; DERWENT	2003/09/10 15:05
18	42	((429/129 429/13? 429/14? 429/24? 429/25?) and ((pores throughholes through-holes throughholes holes gaps) near6 (straight veritcal\$2 horizontal\$2 flat planar linear))) not (((429/\$.cccls. h01m\$.ipc.) not ((429/\$.cccls. h01m\$.ipc.) not (li lithium))) and (pores throughholes through-holes throughholes holes gaps)) and ((pores throughholes through-holes throughholes holes gaps) near4 (straight veritcal\$2 horizontal\$2 flat planar)))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/09/10 15:09
19	10	("3426754" "3588764" "3679538" "3801404" "3801692" "3843761" "4138459" "4620956" "4735875" "4791144").PN.	USPAT	2003/09/10 15:07
20	15	5173235.URPN.	USPAT	2003/09/10 15:07
21	20	("3989540" "4539256" "5173235" "5296318" "5429891" "5571634" "5607185" "5639573" "5681357" "5759720" "5853916" "5900183" "5922493" "5962168" "5998559" "6024773" "6027836" "6143216" "6245272" "6299653").PN.	USPAT	2003/09/10 15:08
22	12	((("3989540" "4539256" "5173235" "5296318" "5429891" "5571634" "5607185" "5639573" "5681357" "5759720" "5853916" "5900183" "5922493" "5962168" "5998559" "6024773" "6027836" "6143216" "6245272" "6299653").PN.) and (pores throughholes through-holes throughholes holes gaps)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/09/10 15:09
23	6	((("3989540" "4539256" "5173235" "5296318" "5429891" "5571634" "5607185" "5639573" "5681357" "5759720" "5853916" "5900183" "5922493" "5962168" "5998559" "6024773" "6027836" "6143216" "6245272" "6299653").PN.) and ((straight veritcal\$2 horiz ntal\$2 flat planar lin ar))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/09/10 15:45
24	9	("3817788" "3819412" "4124746" "4275130" "4297421" "4542082" "4731305" "5141828" "5234779").PN.	USPAT	2003/09/10 15:10
25	2	5510211.URPN.	USPAT	2003/09/10 15:11

26	9261	micr p r s	USPAT; US-P PUB; EP ; JPO; DERWENT	2003/09/10 15:45
27	807	micr -p r s	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/09/10 15:45
28	9926	micropores micro-pores	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/09/10 15:46
29	1632	(micropores micro-pores) near10 (diameter micron\$1 mircometer\$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/09/10 15:46
30	1451	((micropores micro-pores) near10 (diameter micron\$1 mircometer\$1)) not separator\$1	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/09/10 15:46
31	181	((micropores micro-pores) near10 (diameter micron\$1 mircometer\$1)) not (((micropores micro-pores) near10 (diameter micron\$1 mircometer\$1)) not separator\$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/09/10 15:46
32	66	(((micropores micro-pores) near10 (diameter micron\$1 mircometer\$1)) not (((micropores micro-pores) near10 (diameter micron\$1 mircometer\$1)) not separator\$1)) and (429/\$.ccls. h01m\$.ipc.)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/09/10 16:12
33	88	(separator) near5 (minimal\$4 smallest least) near2 (thick\$6)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/09/10 16:13
34	43	(429/\$.ccls. h01m\$.ipc.) and ((separator) near5 (minimal\$4 smallest least) near2 (thick\$6))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/09/10 16:15
35	117	"4994335" "5173235" "5681357" "5639573" "4070528" "5453333" "6586138"	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/09/10 16:16
36	98	("4994335" "5173235" "5681357" "5639573" "4070528" "5453333" "6586138") and (thick\$4)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/09/10 16:44
37	210	(429/\$.ccls. h01m\$.ipc) and (((pores throughholes through-holes throughholes holes gaps) or micropore\$1 or micro-pore\$1) near10 (("5" "10" "15" "20" "25" "30" "35" "40" "45" "50" "55" "60" "65" "70" "75" "80" " 85" "90" "100") adj ("10" "15" "20" "25" "30" "35" "40" "45" "50" "55" "60" "65" "70" "75" "80" " 85" "90" "100"))))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/09/10 16:56

38	176	(429/\$.ccls. h01m\$.ipc) and (((por s throughhol s through-hol s thr ugh l s hol s gaps) or micr p re\$1 r micro-p r \$1) n ar10 (("5" "10" "15" "20" "25" "30" "35" "40" "45" "50" "55" "60" "65" "70" "75" "80" " 85" "90" "100") adj ("10" "15" "20" "25" "30" "35" "40" "45" "50" "55" "60" "65" "70" "75" "80" " 85" "90" "100")))	USPAT; EPO; JPO; DERWENT	2003/09/10 16:56
39	58797	separator.ti.	USPAT; EPO; JPO; DERWENT	2003/09/10 16:56
40	465508	((((pores throughholes through-holes throughholes holes gaps) or micropore\$1 or micro-pore\$1) near10 (("5" "10" "15" "20" "25" "30" "35" "40" "45" "50" "55" "60" "65" "70" "75" "80" " 85" "90" "100"))))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/09/10 17:11
41	1232	separator.ti. and (((pores throughholes through-holes throughholes holes gaps) or micropore\$1 or micro-pore\$1) near10 (("5" "10" "15" "20" "25" "30" "35" "40" "45" "50" "55" "60" "65" "70" "75" "80" " 85" "90" "100"))))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/09/10 16:57
42	1131	(separator.ti. and (((pores throughholes through-holes throughholes holes gaps) or micropore\$1 or micro-pore\$1) near10 (("5" "10" "15" "20" "25" "30" "35" "40" "45" "50" "55" "60" "65" "70" "75" "80" " 85" "90" "100")))) not (li lithium)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/09/10 16:57
43	101	(separator.ti. and (((pores throughholes through-holes throughholes holes gaps) or micropore\$1 or micro-pore\$1) near10 (("5" "10" "15" "20" "25" "30" "35" "40" "45" "50" "55" "60" "65" "70" "75" "80" " 85" "90" "100")))) not ((separator.ti. and (((pores throughholes through-holes throughholes holes gaps) or micropore\$1 or micro-pore\$1) near10 (("5" "10" "15" "20" "25" "30" "35" "40" "45" "50" "55" "60" "65" "70" "75" "80" " 85" "90" "100")))) not (li lithium))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/09/10 16:59
44	1	1985-223555.NRAN.	DERWENT	2003/09/10 16:58
45	2	4714553.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/09/10 16:58
46	2	4714533.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/09/10 16:58

47	32	((s parator.ti. and (((p res throughhol s thr ugh-h l s thr ugh les h l s gaps) r micropor \$1 or micro-p r \$1) near10 (("5" "10" "15" "20" "25" "30" "35" "40" "45" "50" "55" "60" "65" "70" "75" "80" " 85" "90" "100")))) not ((s parat r.ti. and (((por s throughholes through-holes throughholes holes gaps) or micropore\$1 or micro-pore\$1) near10 (("5" "10" "15" "20" "25" "30" "35" "40" "45" "50" "55" "60" "65" "70" "75" "80" " 85" "90" "100")))) not (li lithium))) not (batteries battery electrochemical)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/09/10 17:00
48	69	((separator.ti. and (((pores throughholes through-holes throughholes holes gaps) or micropore\$1 or micro-pore\$1) near10 (("5" "10" "15" "20" "25" "30" "35" "40" "45" "50" "55" "60" "65" "70" "75" "80" " 85" "90" "100")))) not ((separator.ti. and (((pores throughholes through-holes throughholes holes gaps) or micropore\$1 or micro-pore\$1) near10 (("5" "10" "15" "20" "25" "30" "35" "40" "45" "50" "55" "60" "65" "70" "75" "80" " 85" "90" "100")))) not (li lithium))) not (((separator.ti. and (((pores throughholes through-holes throughholes holes gaps) or micropore\$1 or micro-pore\$1) near10 (("5" "10" "15" "20" "25" "30" "35" "40" "45" "50" "55" "60" "65" "70" "75" "80" " 85" "90" "100")))) not ((separator.ti. and (((pores throughholes through-holes throughholes holes gaps) or micropore\$1 or micro-pore\$1) near10 (("5" "10" "15" "20" "25" "30" "35" "40" "45" "50" "55" "60" "65" "70" "75" "80" " 85" "90" "100")))) not (li lithium))) not (batteries battery electrochemical))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/09/10 17:00
49	1016	(separator.ti. and (((pores throughholes through-holes throughholes holes gaps) or micropore\$1 or micro-pore\$1) near10 (("5" "10" "15" "20" "25" "30" "35" "40" "45" "50" "55" "60" "65" "70" "75" "80" " 85" "90" "100")))) not (batteries battery electrochemical)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/09/10 17:00
50	216	(separator.ti. and (((pores throughholes through-holes throughholes holes gaps) or micropore\$1 or micro-pore\$1) near10 (("5" "10" "15" "20" "25" "30" "35" "40" "45" "50" "55" "60" "65" "70" "75" "80" " 85" "90" "100")))) not ((separator.ti. and (((pores thr ughh les through-holes thr ugh les h les gaps) r micropor \$1 r micro-p re\$1) near10 (("5" "10" "15" "20" "25" "30" "35" "40" "45" "50" "55" "60" "65" "70" "75" "80" " 85" "90" "100")))) n t (batteri s batt ry el ctroch mical))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/09/10 17:07

51	97	(separator.ti. and (((p r s throughh l s through-hol s thr ough l s hol s gaps) or microp r \$1 or micro-p r \$1) near10 ("5" "10" "15" "20" "25" "30" "35" "40" "45" "50" "55" "60" "65" "70" "75" "80" " 85" "90" "100")))) not ((s parat r.ti. and (((p r s throughholes through-holes throughholes holes gaps) or micropore\$1 or micro-pore\$1) near10 ("5" "10" "15" "20" "25" "30" "35" "40" "45" "50" "55" "60" "65" "70" "75" "80" " 85" "90" "100")))) not (batteries battery electrochemical))	EPO; JPO; DERWENT	2003/09/10 17:00
52	1	1999-091665.NRAN.	DERWENT	2003/09/10 17:03
53	1	2000-675499.NRAN.	DERWENT	2003/09/10 17:04
54	1	1977-69835Y.NRAN.	DERWENT	2003/09/10 17:05
55	119	(separator.ti. and (((pores throughholes through-holes throughholes holes gaps) or micropore\$1 or micro-pore\$1) near10 ("5" "10" "15" "20" "25" "30" "35" "40" "45" "50" "55" "60" "65" "70" "75" "80" " 85" "90" "100")))) not ((separator.ti. and (((pores throughholes through-holes throughholes holes gaps) or micropore\$1 or micro-pore\$1) near10 ("5" "10" "15" "20" "25" "30" "35" "40" "45" "50" "55" "60" "65" "70" "75" "80" " 85" "90" "100")))) not (batteries battery electrochemical))	USPAT	2003/09/10 17:07
56	78	((separator.ti. and (((pores throughholes through-holes throughholes holes gaps) or micropore\$1 or micro-pore\$1) near10 ("5" "10" "15" "20" "25" "30" "35" "40" "45" "50" "55" "60" "65" "70" "75" "80" " 85" "90" "100")))) not ((separator.ti. and (((pores throughholes through-holes throughholes holes gaps) or micropore\$1 or micro-pore\$1) near10 ("5" "10" "15" "20" "25" "30" "35" "40" "45" "50" "55" "60" "65" "70" "75" "80" " 85" "90" "100")))) not (batteries battery electrochemical))) not (li lithium)	USPAT	2003/09/10 17:07

57	41	((s parator.ti. and (((p r s throughh l s through-h les thr ughol s hol s gaps) r microp r \$1 or micr -p re\$1) n ar10 ("5" "10" "15" "20" "25" "30" "35" "40" "45" "50" "55" "60" "65" "70" "75" "80" " 85" "90" "100")))) not ((s parat r.ti. and (((por s throughholes through-holes throughholes holes gaps) or micropore\$1 or micro-pore\$1) near10 ("5" "10" "15" "20" "25" "30" "35" "40" "45" "50" "55" "60" "65" "70" "75" "80" " 85" "90" "100")))) not (batteries battery electrochemical))) not (((separator.ti. and (((pores throughholes through-holes throughholes holes gaps) or micropore\$1 or micro-pore\$1) near10 ("5" "10" "15" "20" "25" "30" "35" "40" "45" "50" "55" "60" "65" "70" "75" "80" " 85" "90" "100")))) not ((separator.ti. and (((pores throughholes through-holes throughholes holes gaps) or micropore\$1 or micro-pore\$1) near10 ("5" "10" "15" "20" "25" "30" "35" "40" "45" "50" "55" "60" "65" "70" "75" "80" " 85" "90" "100")))) not (batteries battery electrochemical))) not (li lithium))	USPAT	2003/09/10 17:10
58	86745	separator	USPAT	2003/09/10 17:10
59	302	separators.ti.	USPAT	2003/09/10 17:10
60	4197	separator.ti.	USPAT	2003/09/10 17:10
61	4498	separators.ti. separator.ti.	USPAT	2003/09/10 17:11
62	3872	(separators.ti. separator.ti.) not (battery batteries electrochemical)	USPAT	2003/09/10 17:11
63	626	(separators.ti. separator.ti.) not ((separators.ti. separator.ti.) not (battery batteries electrochemical))	USPAT	2003/09/10 17:11
64	507	((separators.ti. separator.ti.) not ((separators.ti. separator.ti.) not (battery batteries electrochemical))) not ((separator.ti. and (((pores throughholes through-holes throughholes holes gaps) or micropore\$1 or micro-pore\$1) near10 ("5" "10" "15" "20" "25" "30" "35" "40" "45" "50" "55" "60" "65" "70" "75" "80" " 85" "90" "100")))) not ((separator.ti. and (((pores throughholes through-holes throughholes holes gaps) or micropore\$1 or micro-pore\$1) near10 ("5" "10" "15" "20" "25" "30" "35" "40" "45" "50" "55" "60" "65" "70" "75" "80" " 85" "90" "100")))) n t (batt ri s batt ry l ctrochemical)))	USPAT	2003/09/10 17:11

65	15	((s parators.ti. s parator.ti.) n t ((s parat rs.ti. s parator.ti.) not (battery batt ri s l ctr ch mical))) not ((s parat r.ti. and (((p r s thr ughhol s thr ugh-h l s thr ugh l s h l s gaps) r micropor \$1 or micr -pore\$1) n ar10 ("5" "10" "15" "20" "25" "30" "35" "40" "45" "50" "55" "60" "65" "70" "75" "80" " 85" "90" "100")))) not ((separator.ti. and (((pores throughholes through-holes throughholes holes gaps) or micropore\$1 or micro-pore\$1) near10 (("5" "10" "15" "20" "25" "30" "35" "40" "45" "50" "55" "60" "65" "70" "75" "80" " 85" "90" "100")))) not (batteries battery electrochemical)))) and (((pores throughholes through-holes throughholes holes gaps) or micropore\$1 or micro-pore\$1) near10 ("5" "10" "15" "20" "25" "30" "35" "40" "45" "50" "55" "60" "65" "70" "75" "80" " 85" "90" "100") adj4 (microns micrometers micron micrometer)))	USPAT; US-P PUB; EP ; JPO; DERWENT	2003/09/10 17:14
66	6	(((separators.ti. separator.ti.) not ((separators.ti. separator.ti.) not (battery batteries electrochemical))) not ((separator.ti. and (((pores throughholes through-holes throughholes holes gaps) or micropore\$1 or micro-pore\$1) near10 ("5" "10" "15" "20" "25" "30" "35" "40" "45" "50" "55" "60" "65" "70" "75" "80" " 85" "90" "100")))) not ((separator.ti. and (((pores throughholes through-holes throughholes holes gaps) or micropore\$1 or micro-pore\$1) near10 (("5" "10" "15" "20" "25" "30" "35" "40" "45" "50" "55" "60" "65" "70" "75" "80" " 85" "90" "100")))) not (batteries battery electrochemical)))) and (((pores throughholes through-holes throughholes holes gaps) or micropore\$1 or micro-pore\$1) near10 ("5" "10" "15" "20" "25" "30" "35" "40" "45" "50" "55" "60" "65" "70" "75" "80" " 85" "90" "100") adj4 (microns micrometers micron micrometer)))) not (li lithium)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/09/10 17:14

67	9	<p>((((s parat rs.ti. s parator.ti.) n t ((s parators.ti. s parator.ti.) not (batt ry batt ri s l ctr ch mical)))) n t ((s parator.ti. and (((p r s thr ughhol s thr ugh-hol s thr ughol s h l s gaps) r micropor \$1 or micr -por \$1) n ar10 ("5" "10" "15" "20" "25" "30" "35" "40" "45" "50" "55" "60" "65" "70" "75" "80" " 85" "90" "100"))))) not ((separator.ti. and (((pores throughholes through-holes throughholes holes gaps) or micropore\$1 or micro-pore\$1) near10 (("5" "10" "15" "20" "25" "30" "35" "40" "45" "50" "55" "60" "65" "70" "75" "80" " 85" "90" "100"))))) not (batteries battery electrochemical)))) and (((pores throughholes through-holes throughholes holes gaps) or micropore\$1 or micro-pore\$1) near10 ("5" "10" "15" "20" "25" "30" "35" "40" "45" "50" "55" "60" "65" "70" "75" "80" " 85" "90" "100") adj4 (microns micrometers micron micrometer)))) not (((separator.ti. separator.ti.) not ((separator.ti. separator.ti.) not (battery batteries electrochemical))) not ((separator.ti. and (((pores throughholes through-holes throughholes holes gaps) or micropore\$1 or micro-pore\$1) near10 ("5" "10" "15" "20" "25" "30" "35" "40" "45" "50" "55" "60" "65" "70" "75" "80" " 85" "90" "100"))))) not ((separator.ti. and (((pores throughholes through-holes throughholes holes gaps) or micropore\$1 or micro-pore\$1) near10 (("5" "10" "15" "20" "25" "30" "35" "40" "45" "50" "55" "60" "65" "70" "75" "80" " 85" "90" "100"))))) not (batteries battery electrochemical)))) and (((pores throughholes through-holes throughholes holes gaps) or micropore\$1 or micro-pore\$1) near10 ("5" "10" "15" "20" "25" "30" "35" "40" "45" "50" "55" "60" "65" "70" "75" "80" " 85" "90" "100") adj4 (microns micrometers micron micrometer)))) not (li lithium))</p>	<p>USPAT; US-P PUB; EPO; JPO; DERWENT</p>	<p>2003/09/10 17:16</p>
68	253793	separator\$1	<p>USPAT; US-PGPUB; EPO; JPO; DERWENT</p>	<p>2003/09/10 17:16</p>
69	6291	separator\$1 with (pores micropores holes pinholes pin-holes throughholes throughholes voids gaps)	<p>USPAT; US-PGPUB; EPO; JPO; DERWENT</p>	<p>2003/09/10 17:17</p>

70	141	(s parat r\$1 with (p r s micropor s h l s pinh l s pin-holes thr oughh l s thr ough l s v ids gaps)) and ((por s micr p r s h l s pinh l s pin-h l s throughholes throughol s voids gaps) n ar10 (("5" "10" "15" "20" "25" "30" "35" "40" "45" "50" "55" "60" "65" "70" "75" "80" " 85" "90" "100") adj4 (microns micrometers micron micrometer)))	USPAT; US-PGPUB; EPO; JP ; DERWENT	2003/09/10 17:18
71	36	((separator\$1 with (pores micropores holes pinholes pin-holes throughholes throughholes voids gaps)) and ((pores micropores holes pinholes pin-holes throughholes throughholes voids gaps) near10 (("5" "10" "15" "20" "25" "30" "35" "40" "45" "50" "55" "60" "65" "70" "75" "80" " 85" "90" "100") adj4 (microns micrometers micron micrometer)))) not (battery batteries electrochemical 429/\$.ccls. h01m\$.ipc.)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/09/10 17:18
72	105	((separator\$1 with (pores micropores holes pinholes pin-holes throughholes throughholes voids gaps)) and ((pores micropores holes pinholes pin-holes throughholes throughholes voids gaps) near10 (("5" "10" "15" "20" "25" "30" "35" "40" "45" "50" "55" "60" "65" "70" "75" "80" " 85" "90" "100") adj4 (microns micrometers micron micrometer)))) not (((separator\$1 with (pores micropores holes pinholes pin-holes throughholes throughholes voids gaps)) and ((pores micropores holes pinholes pin-holes throughholes throughholes voids gaps) near10 (("5" "10" "15" "20" "25" "30" "35" "40" "45" "50" "55" "60" "65" "70" "75" "80" " 85" "90" "100") adj4 (microns micrometers micron micrometer)))) not (battery batteries electrochemical 429/\$.ccls. h01m\$.ipc.))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/09/10 17:18
73	72	((separator\$1 with (pores micropores holes pinholes pin-holes throughholes throughholes voids gaps)) and ((pores micropores holes pinholes pin-holes throughholes throughholes voids gaps) near10 (("5" "10" "15" "20" "25" "30" "35" "40" "45" "50" "55" "60" "65" "70" "75" "80" " 85" "90" "100") adj4 (microns micrometers micron micrometer)))) not (((separator\$1 with (pores micropores holes pinholes pin-holes throughholes throughholes voids gaps)) and ((pores micropores holes pinholes pin-holes throughholes throughholes voids gaps) n ar10 (("5" "10" "15" "20" "25" "30" "35" "40" "45" "50" "55" "60" "65" "70" "75" "80" " 85" "90" "100") adj4 (micr ns microm t rs micron microm t r)))) n t (batt ry batt ri s lectr ch mical 429/\$.ccls. h01m\$.ipc.)) n t (li lithium)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/09/10 17:18

74	33	(((s parat r\$1 with (p r s mi r p r s h l s pinh l s pin-h l s thr ughhol s thr ugh l s v ids gaps)) and ((p res microp res hol s pinh les pin-h l s thr ughh les thr ugh les v ids gaps) near10 ("5" "10" "15" "20" "25" "30" "35" "40" "45" "50" "55" "60" "65" "70" "75" "80" " 85" "90" "100") adj4 (microns micrometers micron micrometer)))) not (((separator\$1 with (pores micropores holes pinholes pin-holes throughholes throughholes voids gaps)) and ((pores micropores holes pinholes pin-holes throughholes throughholes voids gaps) near10 ("5" "10" "15" "20" "25" "30" "35" "40" "45" "50" "55" "60" "65" "70" "75" "80" " 85" "90" "100") adj4 (microns micrometers micron micrometer)))) not (battery batteries electrochemical 429/\$.ccls. h01m\$.ipc.))) not (((separator\$1 with (pores micropores holes pinholes pin-holes throughholes throughholes voids gaps)) and ((pores micropores holes pinholes pin-holes throughholes throughholes voids gaps) near10 ("5" "10" "15" "20" "25" "30" "35" "40" "45" "50" "55" "60" "65" "70" "75" "80" " 85" "90" "100") adj4 (microns micrometers micron micrometer)))) not (((separator\$1 with (pores micropores holes pinholes pin-holes throughholes throughholes voids gaps)) and ((pores micropores holes pinholes pin-holes throughholes throughholes voids gaps) near10 ("5" "10" "15" "20" "25" "30" "35" "40" "45" "50" "55" "60" "65" "70" "75" "80" " 85" "90" "100") adj4 (microns micrometers micron micrometer)))) not (battery batteries electrochemical 429/\$.ccls. h01m\$.ipc.))) not (li lithium))	USPAT; US-P PUB; EPO; JPO; DERWENT	2003/09/10 17:19
75	1	1992-134110.NRAN.	DERWENT	2003/09/10 17:18
76	2	5342708.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/09/10 17:19
77	1	5342708.pn. and (li lithium)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/09/10 17:19